

5	6	7	8
16	1	2	9
15	4	3	10
14	13	12	11

FIG.1a

The diagram shows a 4x4 grid of numbers. Arrows labeled A, B, C, and D point to the top-left, top-right, bottom-left, and bottom-right corners of the grid respectively.

5	6	7	8
16	1	2	9
15	4	3	10
14	13	12	11

FIG.1b

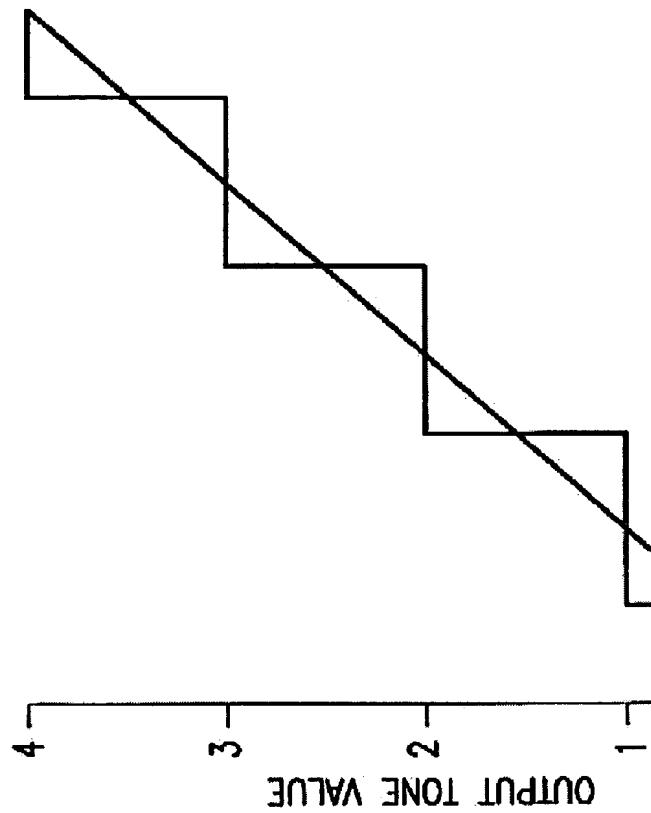


FIG.2a

1	2
3	4

INPUT	OUTPUT
0.0-0.5	0
0.5-1.5	1
1.5-2.5	2
2.5-3.5	3
3.5-4.0	4

FIG.2b

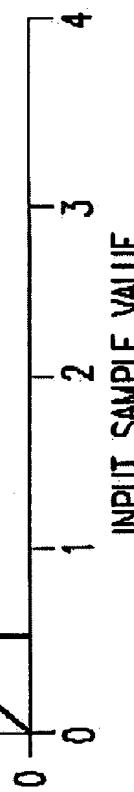


FIG.2c

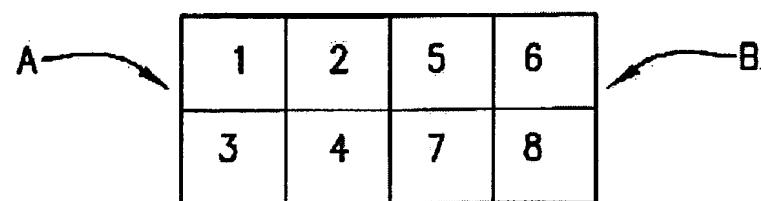


FIG.2d

INPUT	OUTPUT
0.0–0.5	0
0.5–1.5	1
1.5–2.5	2
2.5–3.5	3
3.5–4.5	4
4.5–5.5	4
5.5–6.5	4
6.5–7.5	4
7.5–8.0	4

FIG.2e

INPUT	OUTPUT
0.0–0.5	0
0.5–1.5	0
1.5–2.5	0
2.5–3.5	0
3.5–4.5	0
4.5–5.5	1
5.5–6.5	2
6.5–7.5	3
7.5–8.0	4

FIG.2f

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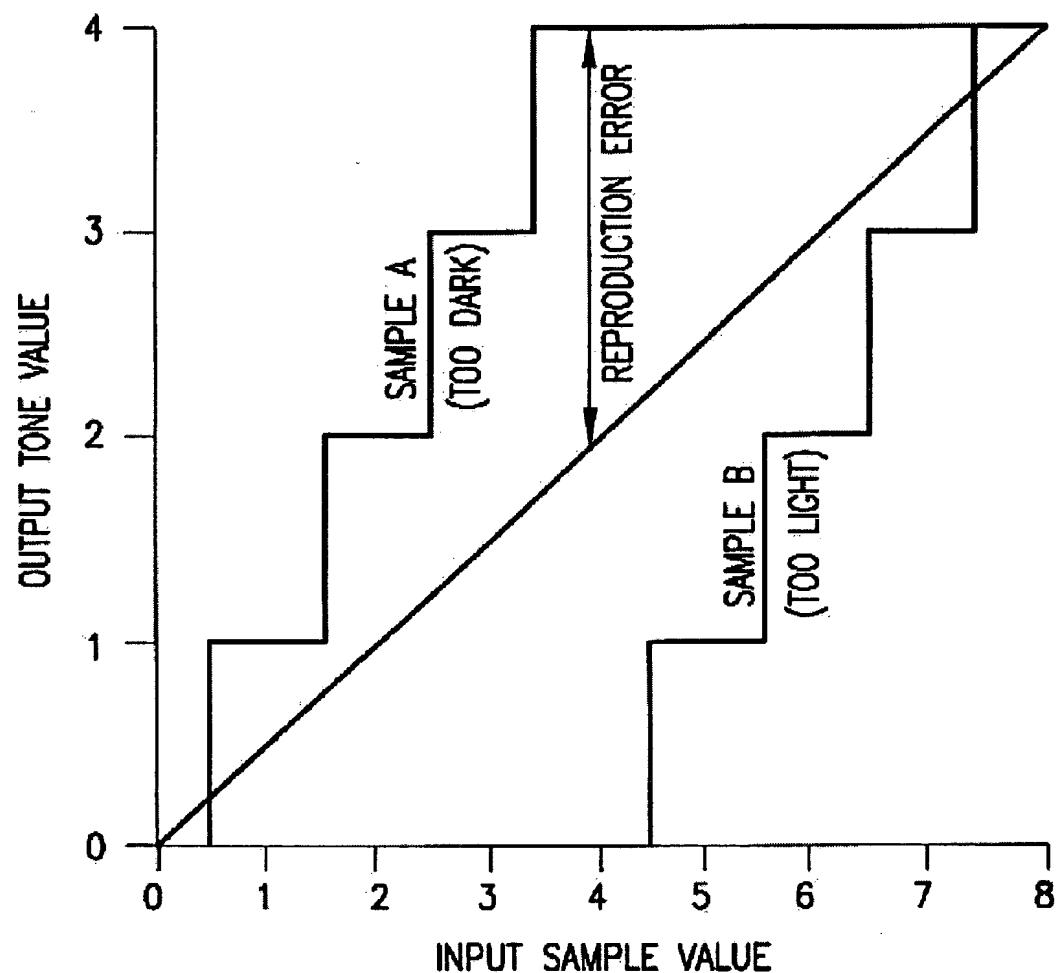


FIG.2g

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PROBLEMATIC HALTONE PATTERN

13	7	8	14	20	26	25	19
5	1	2	6	28	32	31	27
9	3	4	10	24	30	29	23
15	11	12	16	18	22	21	17
20	26	25	19	13	7	8	14
28	32	31	27	5	1	2	6
24	30	29	23	9	3	4	10
18	22	21	17	15	11	12	16

FIG.3a

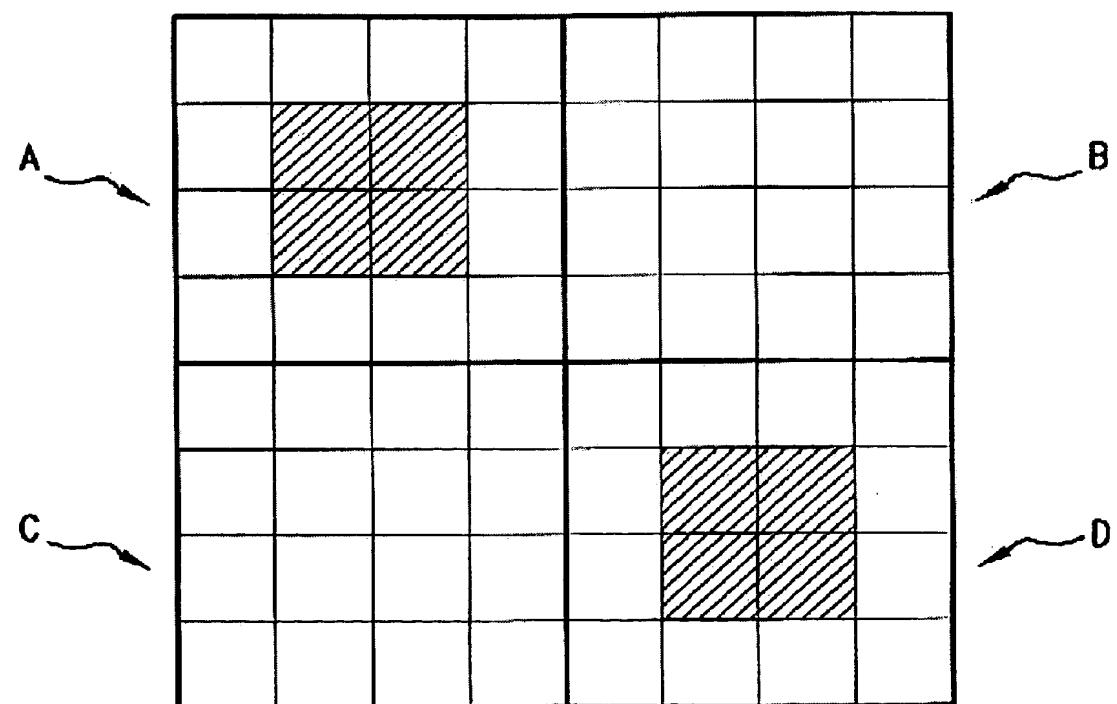


FIG.3b

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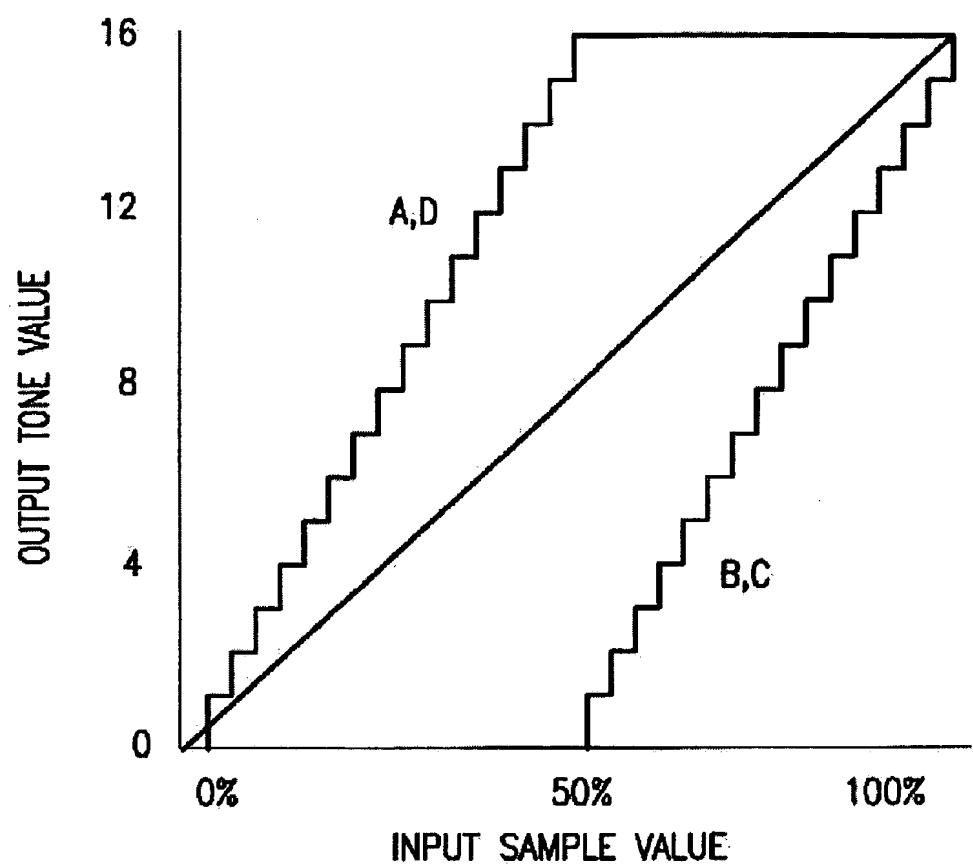


FIG.3c

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DIRECT 1 TO 1 PATTERN

13	7	8	14	13	7	8	14
5	1	2	6	5	1	2	6
9	3	4	10	9	3	4	10
15	11	12	16	15	11	12	16
13	7	8	14	13	7	8	14
5	1	2	6	5	1	2	6
9	3	4	10	9	3	4	10
15	11	12	16	15	11	12	16

FIG.4a

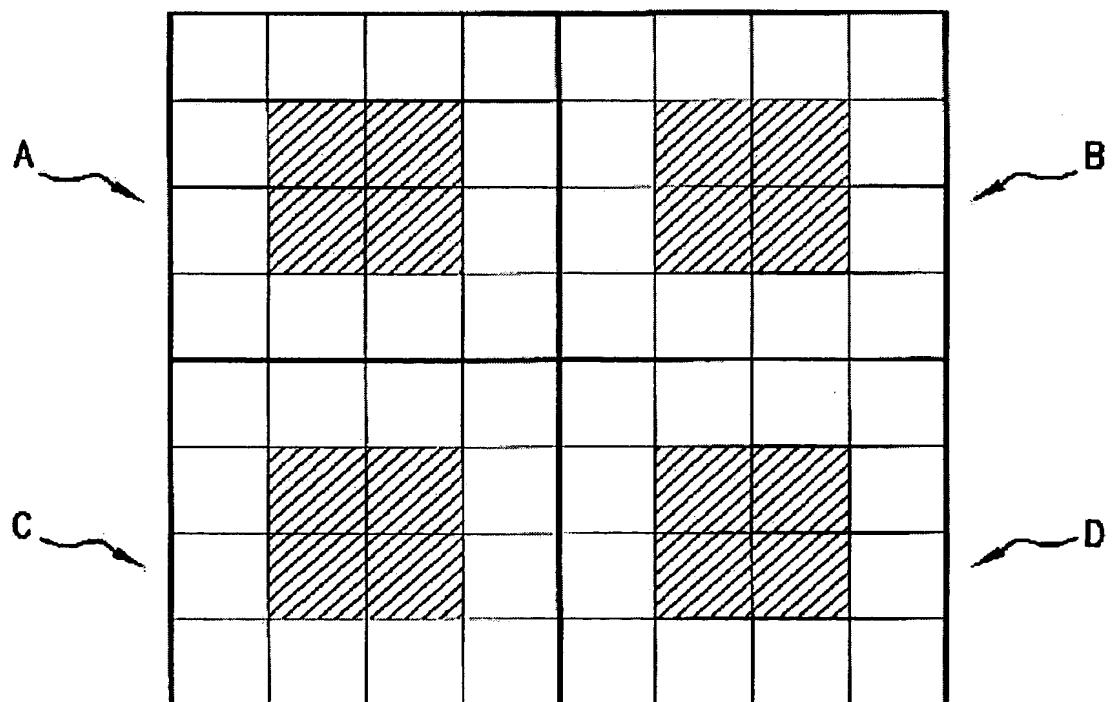


FIG.4b

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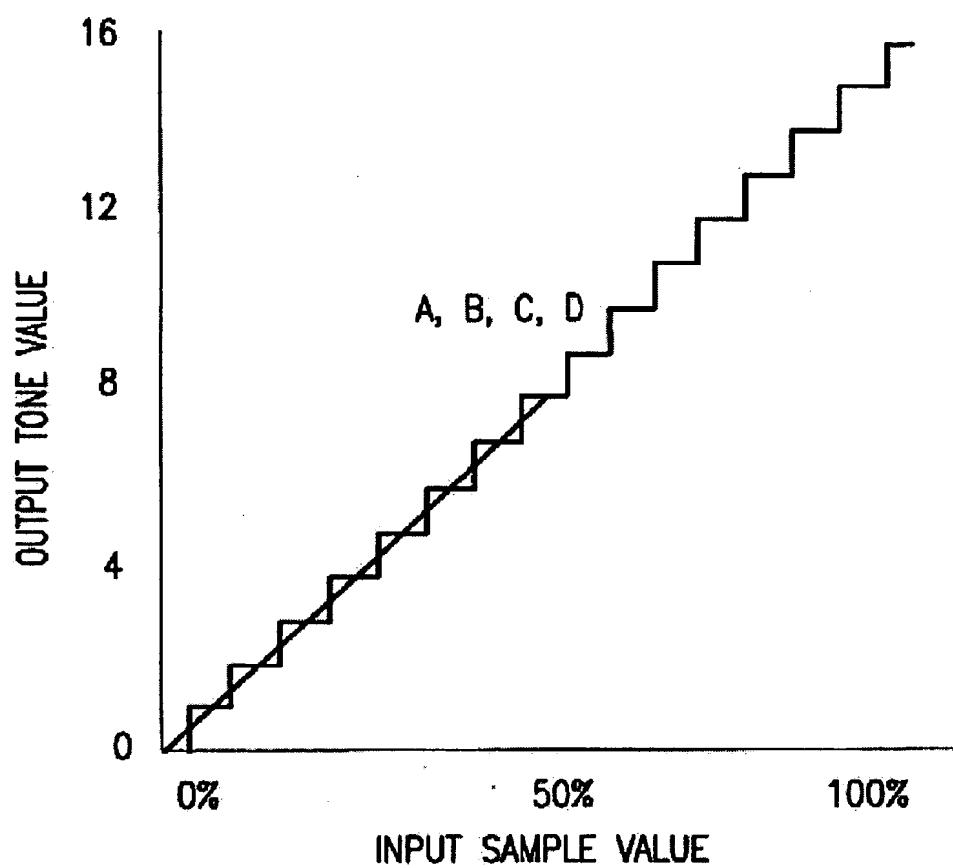


FIG.4c

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REDUCED FREQUENCY 1 TO 1 PATTERN

13	10	7	4	4	7	10	13
16	14	3	1	1	3	14	16
15	12	5	2	2	5	12	15
11	9	8	6	6	8	9	11
4	7	10	13	13	10	7	4
1	3	14	16	16	14	3	1
2	5	12	15	15	12	5	2
6	8	9	11	11	9	8	6

FIG.5a

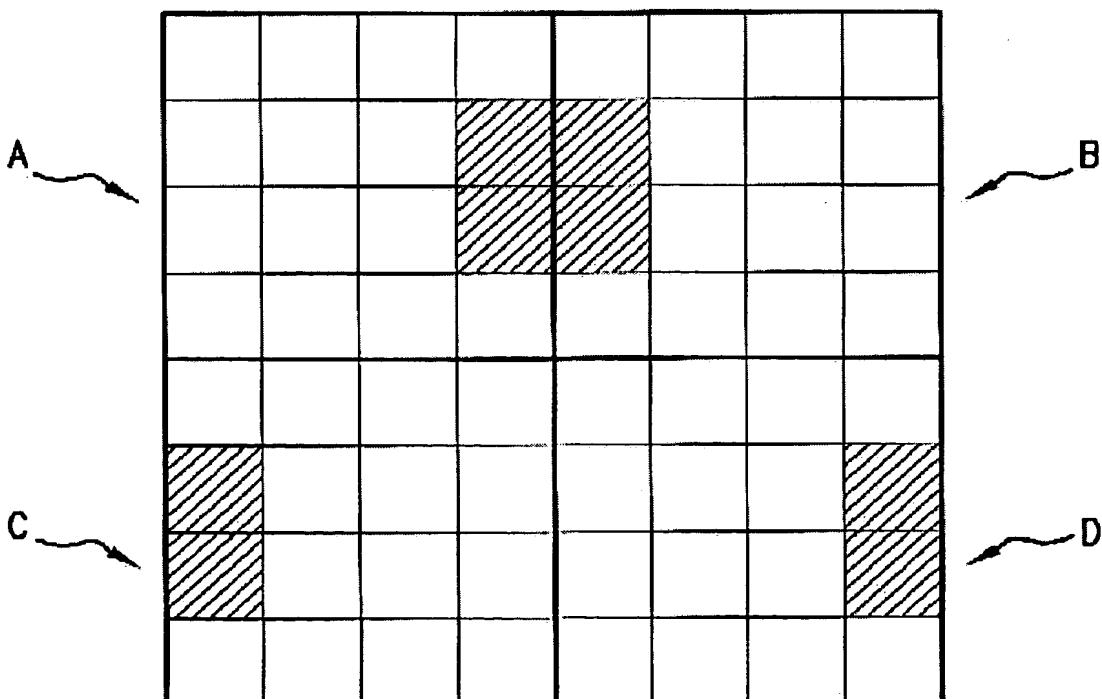


FIG.5b

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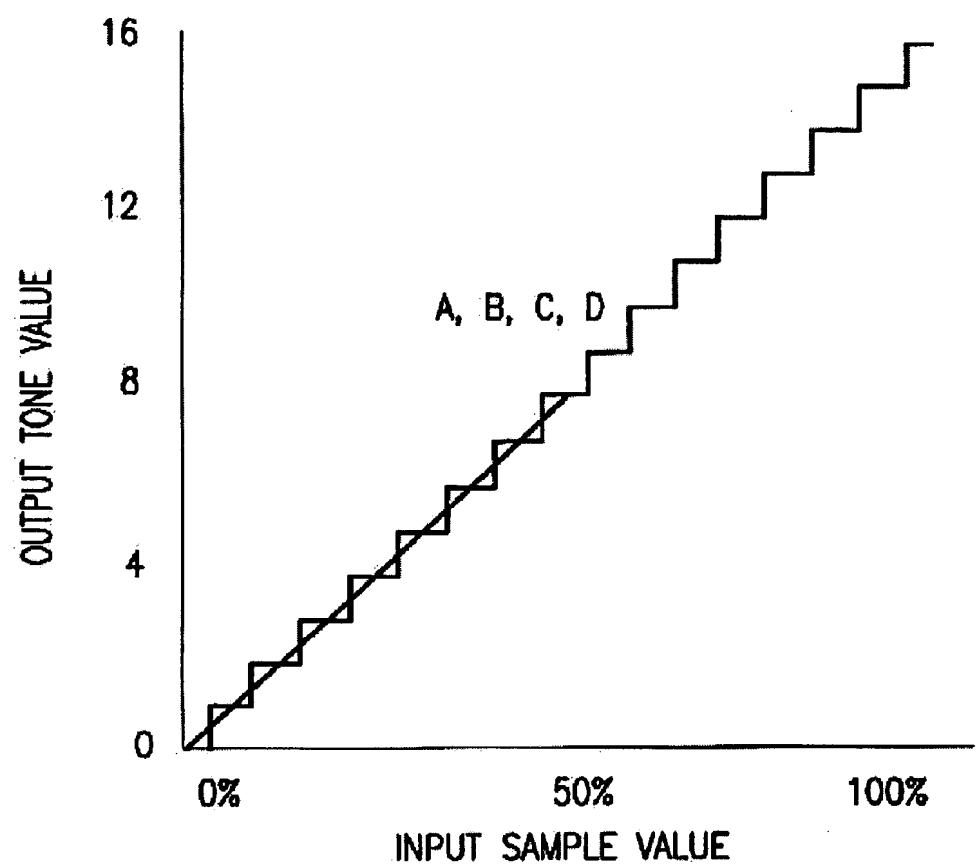


FIG.5c

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DISPERSED 1 TO 1 PATTERN

25	19	13	7	8	14	20	26
31	27	5	1	2	6	28	32
29	23	9	3	4	10	24	30
21	17	15	11	12	16	18	22
8	14	20	26	25	19	13	7
2	6	28	32	31	27	5	1
4	10	24	30	29	23	9	3
12	16	18	22	21	17	15	11

FIG.6a

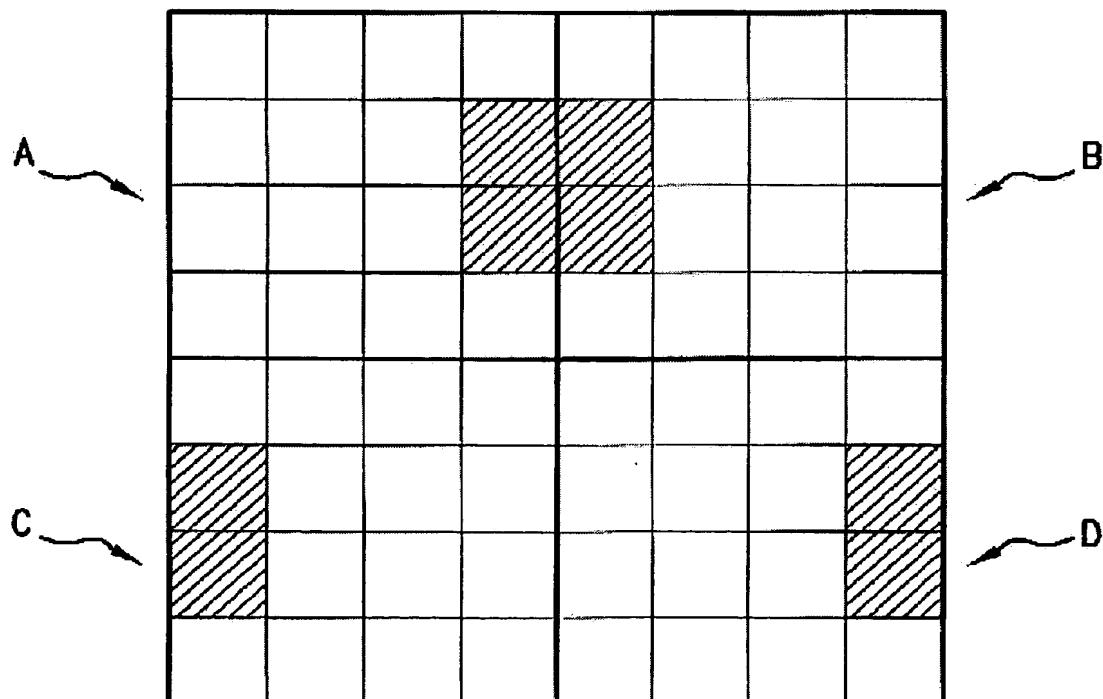


FIG.6b

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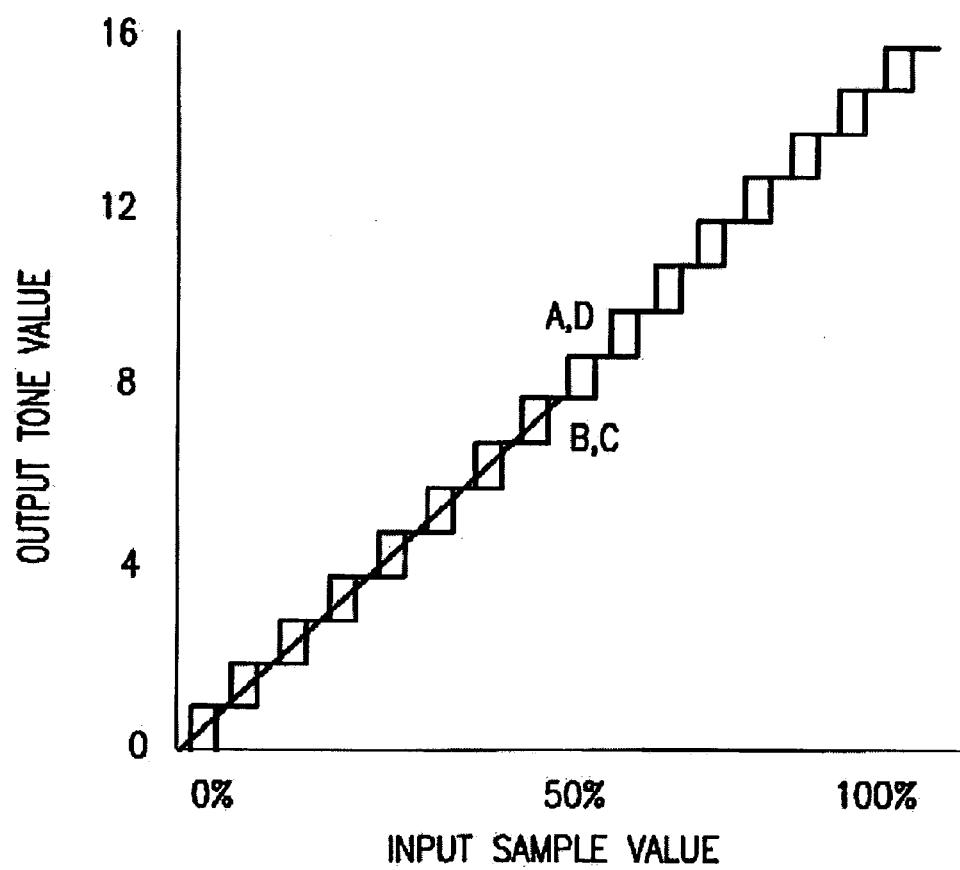


FIG.6c

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SYSTEMATIC PATTERN GENERATION

- SPOT VALUES

3.8	2.9	2.1	1.6	1.6	2.1	2.9	3.8
3.5	2.5	1.6	0.7	0.7	1.6	2.5	3.5
3.5	2.5	1.6	0.7	0.7	1.6	2.5	3.5
3.8	2.9	2.1	1.6	1.6	2.1	2.9	3.8

$$\text{SPOT } (x, y) = \sqrt{x^*x + y^*y}$$

FIG.7a

- ORDERED VALUES

29	21	13	5	6	14	22	30
25	17	7	1	2	8	18	26
27	19	9	3	4	10	20	28
31	23	15	11	12	16	24	32

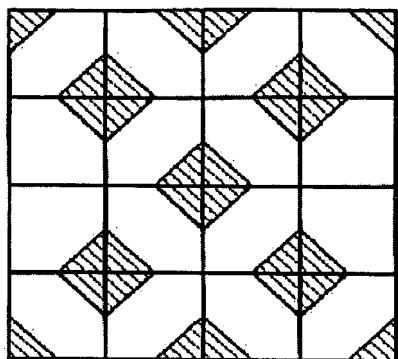
FIG.7b

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- ADD BOTTOM HALF

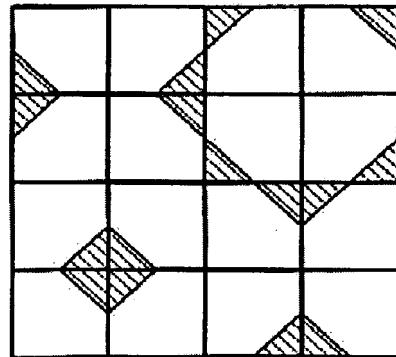
29	21	13	5	6	14	22	30
25	17	7	1	2	8	18	26
27	19	9	3	4	10	20	28
31	23	15	11	12	16	24	32
6	14	22	30	29	21	13	5
2	8	18	26	25	17	7	1
4	10	20	28	27	19	9	3
12	16	24	32	31	23	15	11

FIG.7c



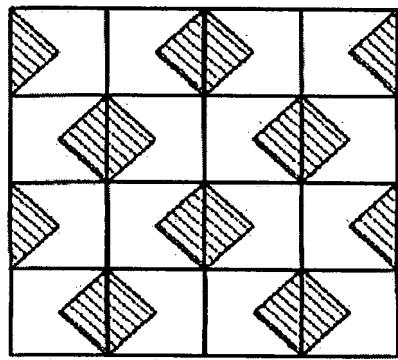
DIAGONAL (45 DEGREES)
FOUR-WAY

FIG.8c



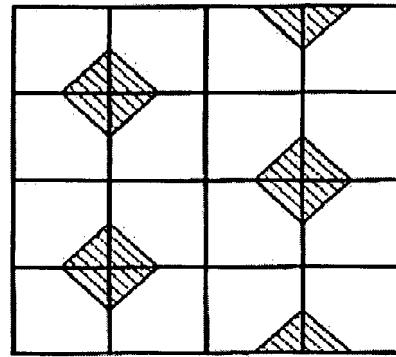
HEXAGONAL - VERTICAL

FIG.8d



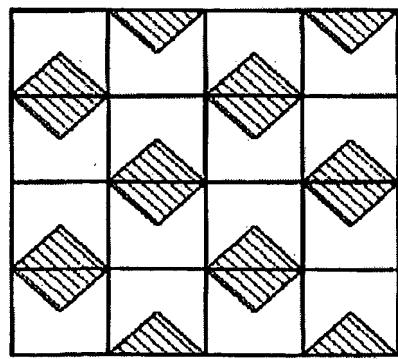
DIAGONAL (45 DEGREES)
TWO-WAY VERTICAL

FIG.8e



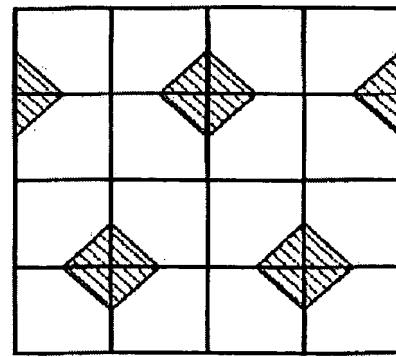
CIRCLES

FIG.8f



DIAGONAL (45 DEGREES)
TWO-WAY HORIZONTAL

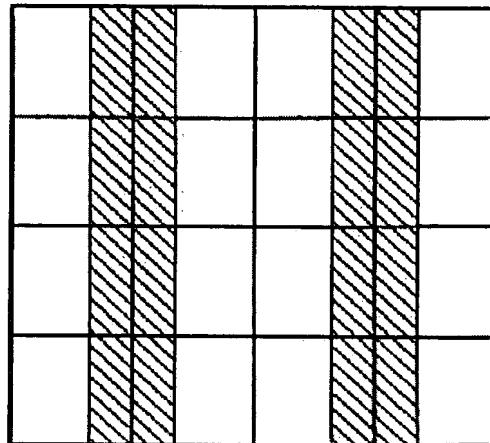
FIG.8g



HEXAGONAL - HORIZONTAL

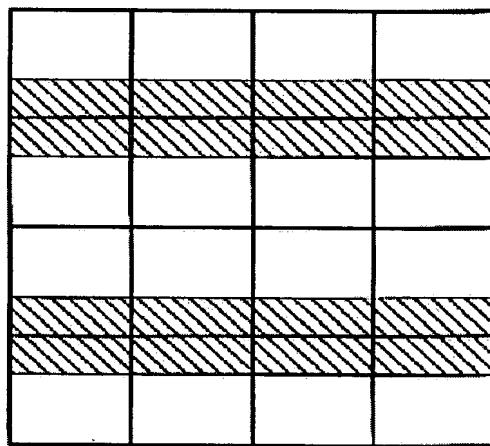
FIG.8h

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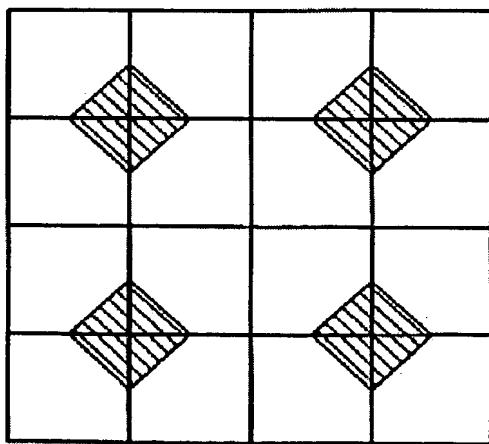
HORIZONTAL LINE

FIG.8i



VERTICAL LINE

FIG.8h



SQUARE (NOT ROTATED)

FIG.8g